

IN THE CLAIMS:

Please ADD claims 22-28 as set forth below.

1. (Original) A method of performing compressed mode measurements for selecting communication means in a communication system, said communication system comprising a network element and a plurality of communication means for serving a mobile station and, said method comprising:

providing information associated with the plurality of communication means to the network element, said information based on a plurality of parameters associated with each of the plurality of communication means;

ordering the communication means based on said information; and

performing compressed mode measurements at the mobile station based on said ordering.

2. (Original) A method as claimed in claim 1, wherein the selection is for handover of the mobile station from a first communication means to a second communication means.

3. (Original) A method as claimed in claim 2, wherein the first communication means operates at a first frequency of a radio access technology and the second communication means operates at a second frequency of said radio access technology.

4. (Original) A method as claimed in claim 3, wherein the radio access technology is code division multiple access.

5. (Original) A method as claimed in claim 3, wherein the radio access technology is wideband code division multiple access.

6. (Original) A method as claimed in claim 2, wherein the first communication means operates in accordance with a first radio access technology, and the second communication means operates in accordance with a second, different, radio access technology.

7. (Original) A method as claimed in claim 6, wherein the first radio access technology is code division multiple access.

8. (Original) A method as claimed in claim 6, wherein the first radio access technology is wideband code division multiple access.

9. (Previously Presented) A method as claimed in claim 2, wherein the second communication means comprises a plurality of cells, and the compressed mode

measurements comprise signal strength measurements of at least one of said plurality of cells.

10. (Previously Presented) A method as claimed in claim 6, wherein the second communication means comprises a plurality of cells, and the compressed mode measurements comprise signal strength measurements of at least one of said plurality of cells, and wherein the compressed mode measurements comprise decoding a parameter associated with at least one of the plurality of cells.

11. (Original) A method as claimed in claim 10, wherein the parameter is the base station identification code associated with one of the plurality of cells.

12. (Previously Presented) A method as claimed in claim 1, wherein the plurality of parameters comprises at least one of the following : a real time load, a non real time load, a service priority weight or a signal to interference ratio.

13. (Previously Presented) A method as claimed in claim 1, wherein the information comprises a weighting value.

14. (Previously Presented) A method as claimed in claim 1, wherein the communication means are ordered in a prioritised order.

15. (Previously Presented) A method as claimed in claim 1, wherein the network element is a radio network controller.

16. (Previously Presented) A method as claimed in claim 1, wherein the information is provided by a common resource radio management.

17. (Original) A method as claimed in claim 16, wherein the common resource radio management is a common radio management server.

18. (Original) A communication system comprising:

- a network element;
- a mobile station;
- a plurality of communication means, said communication means being arranged to provide communication services to said mobile station;
- means for providing information associated with the plurality of communication means to the network element, said information being based on a plurality of parameters associated with each of the plurality of communication means; and
- means for ordering the communication means being based on said information;
- said mobile station being arranged to perform compressed mode measurements based on said ordering for selecting one of the plurality of communication means.

19. (Original) A method of determining a threshold for a cell in a communication system, said communication system comprising said cell and a plurality of other cells, said method comprising the steps of:

collecting statistics on the handovers from said cell to said plurality of other cells ;
weighting the cell load of each cell of said plurality of other cells by the percentage of handovers from said cell to respective one of said plurality of other cells;
and
determining the threshold based on said weighted cell loads.

20. (Original) A method as claimed in claim 19, wherein said weighting comprises multiplying said cell load by said percentage for each cell.

21. (Original) A method as claimed in claim 20, wherein the threshold is determined by adding together all said weighted cell loads.

22. (New) A method of performing compressed mode measurements for selecting a cell associated with a base station in a communication system, said communication system comprising a network element and a plurality of base stations for serving a mobile station, said method comprising:

providing information associated with the plurality of cells to the network element,

said information based on a plurality of parameters associated with each of the plurality of cells;

ordering the base stations based on said information to provide a prioritized indication of the order that any compressed mode measurements should be performed in; and

performing compressed mode measurements at the mobile station based on said ordering.

23. (New) A method as claimed in claim 19, wherein the cells are grouped by a parameter associated with said cells, said ordering being performed on said groups of cells.

24. (New) A method of performing compressed mode measurements for selecting a cell associated with a base station in a communication system, said communication system comprising a network element, there being a plurality of base stations for serving a mobile station, said method comprising:

providing information associated with the plurality of cells to the network element, said information based on a plurality of parameters associated with each of the plurality of cells;

ordering the cells based on said information; and

performing compressed mode measurements at the mobile station based on said

ordering,

wherein the selection is for handover of the mobile station from a first cell to a second cell, said first cell operating at a first frequency of a radio access technology and the second cell operates at a second frequency of said radio access technology.

25. (New) A method of performing compressed mode measurements for selecting a cell associated with a base station in a communication system, said communication system comprising a network element, there being a plurality of base stations for serving a mobile station, said method comprising:

providing information associated with the plurality of cells to the network element, said information based on a plurality of parameters associated with each of the plurality of cells;

ordering the cells based on said information; and

performing compressed mode measurements at the mobile station based on said ordering,

wherein the selection is for handover of the mobile station from a first cell to a second cell, said first cell operating in accordance with a first radio access technology and the second cell operates in accordance with a second radio access technology.

26. (New) A method of performing compressed mode measurements for selecting a radio access network in a communication system, said communication system

comprising a management element and a plurality of radio access networks for serving a mobile station, said method comprising:

providing information associated with the plurality of radio access networks to the management element, said information based on a plurality of parameters associated with each of the plurality of radio access networks;

ordering the radio access networks based on said information; and

performing compressed mode measurements at the mobile station based on said ordering.

27. (New) A communication system comprising:

a network element;

a mobile station;

a plurality of base stations associated in use with a plurality of cells, said base stations being arranged to provide communication services to said mobile station;

said network element arranged to receive information associated with the plurality of cells, said information being based on a plurality of parameters associated with each of the plurality of cells; and

said network element further arranged to order the cells, based on said information, to provide a prioritized indication of the order that any compressed mode measurements should be performed in;

said mobile station being arranged to perform compressed mode measurements

based on said ordering.

28. (New) A network element for use in a cellular communications system, said network element arranged to:

receive information associated with a plurality of cells of said communications system;

order the cells based on said information to provide a prioritized indication of the order in which a mobile station connected to said cellular communications system should perform any compressed mode measurements; and

provide said order to a mobile station of said cellular communications system.